NOVEMBER/DECEMBER 2025

# 23USC52 — MOBILE APPLICATION DEVELOPMENT

Shanmuga Industries Arts & Science College
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Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is the role of Android SDK?

2. Define AVD.

3. Write syntax for LinearLayout.

4. Differentiate between TextView and EditText.

5. Define shared preferences.

6. Write the syntax to create a database in SQLite.

7. Write any two methods used for sending SMS in Android.

8. What is the role of permissions in SMS messaging?

9. Write the purpose of APK file.

10. What is the role of markers in maps?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the architecture of Android with a neat diagram.

Or

(b) Write the steps to create a simple Android project in Android Studio.

12. (a) Write a short note on handling screen orientation changes.

Or

(b) Discuss the usage of ListView with an example.

13. (a) Compare internal and external storage.

Or

(b) Explain the steps for saving and loading user preferences.



14. (a) Explain the steps to send and receive SMS in Android.

Or

(b) Write a program to download and display the text file contents.

15. (a) Explain the steps to display a map in an Android application.

Or

(b) Differentiate between deploying and publishing an Android application.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Annotate the anatomy of an Android application with suitable examples.

17. Design an Android UI that contains username/password fields, radio buttons for gender and a submit button.

18. Design an app that uses shared preferences to remember login credentials.

19. Illustrate an Android app that sends an email to multiple recipients.

20. Evaluate the challenges in location-based services.

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